

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 10   | (compar\$4 or match\$)<br>near8 (idd near3 (measur<br>\$5 or result\$4))                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/10/08<br>13:40 |
| L2    | 5    | (idd near3 (defect\$4 or<br>error\$4 or fault\$4)) near8<br>resistance                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/10/08<br>14:08 |
| L3    | 899  | (idd or quiescent) near8<br>resistance  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/10/08<br>14:11 |
| L4    | 21   | ((idd or quiescent) near8<br>resistance) same (defect\$4<br>or fault\$4 or bad)               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/10/08<br>14:11 |
| S1    | 6    | ("6239606"   "6664801"  <br>"6677774").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/06<br>15:03 |
| S2    | 5    | ("5760643"   "5773990"  <br>"5944847"   "6173426").<br>PN. OR ("6677774").URPN.               | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2007/01/06<br>15:04 |
| S3    | 11   | ("5550841"   "5790565"  <br>"5850404"   "5864566"  <br>"5889789").PN. OR<br>("6173426").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2007/01/06<br>15:04 |
| S4    | 5    | ("5731700"   "6118293").<br>PN. OR ("6664801").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2007/01/06<br>15:06 |
| S5    | 8    | ("6239606"   "6664801"  <br>"6677774"   "6756804").<br>PN.                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/04/07<br>10:06 |
| S6    | 6    | ("6281699"   "6366108").<br>PN. OR ("6756804").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/04/07<br>10:12 |

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|-----|----|--|---------------------------|----|----|---------------------|
| S7  | 6  | ("5760643"   "5773990"   "5944847"   "6173426").PN. OR ("6677774").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/07<br>10:43 |
| S8  | 13 | ("20050125711"   "20060028199"   "5581563"   "5963046"   "6127838"   "6366108"   "6449751"   "6677774"   "6694495"   "6812724"   "6941235"   "6975978"   "7043389").PN. OR ("7352170").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/07<br>10:44 |
| S9  | 9  | ("4212026"   "4517672"   "4536881"   "4768196"   "4920515"   "5083047"   "5504755").PN. OR ("6127838").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/07<br>10:46 |
| S10 | 8  | ("5392293"   "5670892"   "5818239").PN. OR ("5963046").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/07<br>10:48 |
| S11 | 50 | ("6493859" "6538314" "6686756" "20030001608" "20060158222" "6035421" "6246248" "6249134" "5059889" "5371457" "5459737" "5467026" "5483170" "5557620" "5721495" "5726997" "5731700" "5742177" "5773990" "5789933" "5831990" "5912562" "5917331" "5963046" "6043672" "6102962" "6144214" "6175244" "6239609" "6242934" "6342790" "6380753" "6411117" "6423558" "6498508" "6515500" "6563333" "6664801" "6737859" "6820220" "6842032" "6927565" "7127690" "7129697" "7205820" "7336088" "20010011905" "20020163353" "20040008050" "20040080331" ).pn. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/07<br>10:52 |
| S12 | 20 | ("5025344"   "5532174"   "5550841"   "5644251"   "5670890"   "5712576"   "5969538").PN. OR ("6043672").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/07<br>11:00 |

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| S13 | 33 | ("3676777"   "3895297"  <br>"4631724"   "4712058"  <br>"4746855"   "4849691"  <br>"5025344"   "5032789"  <br>"5057774"   "5101149"  <br>"5101151"   "5101153"  <br>"5146161"   "5294883"  <br>"5371457"   "5392293"  <br>"5404099"   "5406217"  <br>"5412315"   "5414352").<br>PN. OR ("5721495").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/04/07<br>11:02 |
| S14 | 8  | ("6239606"   "6664801"  <br>"6677774"   "6756804").<br>PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/11<br>10:08 |
| S15 | 6  | ("6281699"   "6366108").<br>PN. OR ("6756804").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/11<br>10:16 |
| S16 | 6  | ("5760643"   "5773990"  <br>"5944847"   "6173426").<br>PN. OR ("6677774").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/11<br>10:17 |
| S17 | 13 | ("20050125711"  <br>"20060028199"  <br>"5581563"   "5963046"  <br>"6127838"   "6366108"  <br>"6449751"   "6677774"  <br>"6694495"   "6812724"  <br>"6941235"   "6975978"  <br>"7043389").PN. OR<br>("7352170").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/11<br>10:18 |
| S18 | 6  | ("5731700"   "6118293").<br>PN. OR ("6664801").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/11<br>10:40 |
| S19 | 16 | ("3754442"   "5057774"  <br>"5392293"   "5483170"  <br>"5721495"   "5731700"  <br>"5818268"   "5914615"  <br>"6118293"   "6342790"  <br>"6414511"   "6424211"  <br>"6441633"   "6496028"  <br>"6664801"   "6859058").<br>PN. OR ("7315180").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/11<br>10:40 |
| S20 | 15 | ("5332973"   "5789933"  <br>"5808476"   "5889408").<br>PN. OR ("6342790").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/11<br>10:43 |

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|-----|----|---|---|----|-----|---------------------|
| S21 | 47 | ("2710397"   "3904892"  <br>"4316185"   "4542340"  <br>"4631724"   "4637020"  <br>"4661930"   "4710704"  <br>"4727318"   "4743842"  <br>"4818934"   "4820974"  <br>"4985672"   "5025344"  <br>"5057774"   "5059889"  <br>"5097206"   "5132615"  <br>"5202625"   "5272393").<br>PN. OR ("5731700").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>11:12 |
| S22 | 8  | ("20050270054"  <br>"5731700"   "5917331"  <br>"6037796"   "6118293"  <br>"6348806"   "6535015"  <br>"6845480").PN. OR<br>("7336088").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>11:13 |
| S23 | 33 | ("3676777"   "3895297"  <br>"4631724"   "4712058"  <br>"4746855"   "4849691"  <br>"5025344"   "5032789"  <br>"5057774"   "5101149"  <br>"5101151"   "5101153"  <br>"5146161"   "5294883"  <br>"5371457"   "5392293"  <br>"5404099"   "5406217"  <br>"5412315"   "5414352").<br>PN. OR ("5721495").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>13:41 |
| S24 | 62 | ("4743841"   "4801867"  <br>"4853628"   "4894605").<br>PN. OR ("5371457").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>13:46 |
| S25 | 13 | ("5332973"   "5371457"  <br>"5392293").PN. OR<br>("5519335").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>14:07 |
| S26 | 2  | ("20020149263"  <br>"6664798"   "6664798").<br>PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>14:29 |
| S27 | 6  | ((("6677774") or<br>("6664801") or<br>("6239606")).PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/06/11<br>14:46 |
| S28 | 20 | ("5025344"   "5532174"  <br>"5550841"   "5644251"  <br>"5670890"   "5712576"  <br>"5969538").PN. OR<br>("6043672").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>15:51 |
| S29 | 4  | ("4255672"   "5072274"  <br>"5489538"   "6043672").<br>PN. OR ("6993447").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/06/11<br>15:53 |
| S30 | 2  | ("5731700"   "6118293").<br>PN. OR ("6842032").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/08/19<br>12:57 |

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| S31 | 20 | ("5025344"   "5532174"   "5550841"   "5644251"   "5670890"   "5712576"   "5969538").PN. OR ("6043672").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>13:31 |
| S32 | 4  | ("4255672"   "5072274"   "5489538"   "6043672").PN. OR ("6993447").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>13:35 |
| S33 | 6  | ("3943442"   "5519335"   "5773990"   "6043672"   "6239609").PN. OR ("6498508").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>13:47 |
| S34 | 13 | ("5332973"   "5371457"   "5392293").PN. OR ("5519335").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:25 |
| S35 | 9  | ("5172049"   "5227717"   "6239396"   "6459259"   "6474477"   "6573739"   "6651817"   "6707552"   "6873169").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:35 |
| S36 | 66 | ("3710251"   "4212075"   "5023544"   "5084671").PN. OR ("5172049").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:40 |
| S37 | 2  | 324/758.ccls. and (vacuum near5 bump)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:41 |
| S38 | 11 | 324/754-765.ccls. and (vacuum near5 bump)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:42 |
| S39 | 11 | ("3679970"   "4156189"   "5072175"   "5325062"   "5519335"   "5554928"   "5737202"   "6157308"   "6301133"   "6661119").PN. OR ("6947864").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:48 |
| S40 | 63 | ("4743841"   "4801867"   "4853628"   "4894605").PN. OR ("5371457").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:51 |
| S41 | 8  | ("5057774"   "5371457"   "5394026"   "5459737"   "5485095"   "5497073").PN. OR ("5751141").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>14:58 |
| S42 | 33 | ("3676777"   "3895297"   "4631724"   "4712058"   "4746855"   "4849691"   "5025344"   "5032789"   "5057774"   "5101149"   "5101151"   "5101153"   "5146161"   "5294883"   "5371457"   "5392293"   "5404099"   "5406217"   "5412315"   "5414352").PN. OR ("5721495").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/19<br>15:12 |

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|-----|-----|---|---|----|----|---------------------|
| S43 | 16  | ("3754442"   "5057774"  <br>"5392293"   "5483170"  <br>"5721495"   "5731700"  <br>"5818268"   "5914615"  <br>"6118293"   "6342790"  <br>"6414511"   "6424211"  <br>"6441633"   "6496028"  <br>"6664801"   "6859058").<br>PN. OR ("7315180").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/19<br>15:13 |
| S44 | 31  | ("4336495"   "4398146"  <br>"4628253"   "4714876"  <br>"4733168"   "4779041"  <br>"4967151"   "4970454"  <br>"5012185"   "5019772"  <br>"5030904").PN. OR<br>("5294883").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/19<br>15:30 |
| S45 | 9   | ("5392293"   "5670892"  <br>"5818239").PN. OR<br>("5963046").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/19<br>15:50 |
| S46 | 958 | (voltage near3 island)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:05 |
| S47 | 17  | (voltage near3 island) and<br>(idd or quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:06 |
| S48 | 21  | S46 and "324"/\$.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:17 |
| S49 | 216 | S46 and leakage   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:18 |
| S50 | 61  | S49 and test\$4   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:18 |
| S51 | 0   | ("2008/0030254").URPN.  | USPAT   | OR | ON | 2008/08/19<br>16:24 |

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|-----|-------|--|---|----|----|---------------------|
| S52 | 19313 | (idd or quiescent) and head \$3  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:29 |
| S53 | 8216  | (idd or quiescent) and head \$3 and switch\$3                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:30 |
| S54 | 8255  | (idd or quiescent) and head \$3 and switch\$4                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/19<br>16:30 |
| S55 | 24837 | voltage near3 bus  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>08:58 |
| S56 | 796   | (idd or quiescent) and (voltage near3 bus)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>08:59 |
| S57 | 33    | S56 and "324"/\$.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:00 |
| S58 | 2     | "6144214".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:01 |
| S59 | 15    | ("4637020"   "5025344"   "5057774"   "5392293").PN. OR ("6144214").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>09:01 |
| S60 | 84    | (quiescent near3 bus) and (voltage near3 bus)                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:07 |

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| S61 | 891   | 324/765-769.ccls. and<br>busses                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:17 |
| S62 | 98    | 324/765-769.ccls. and<br>(voltage near5 busses)      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:17 |
| S63 | 1     | (VDDG AND VDDQ) NEAR8<br>EQUAL                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:49 |
| S64 | 27530 | (los\$3 near3 state)                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:50 |
| S65 | 5     | (voltage near3 island)<br>near8 (los\$3 near3 state) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:51 |
| S66 | 35    | (idd or quiescent) near8<br>(los\$3 near3 state)     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:51 |
| S67 | 7     | (voltage near3 island)<br>same (los\$3 near3 state)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:52 |
| S68 | 2     | S67 not S65  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>09:52 |
| S69 | 3     | ("2002/0149263").URPN.                               | USPAT   | OR | ON | 2008/08/20<br>09:57 |



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|-----|-------|--|---|----|----|---------------------|
| S70 | 18    | ("20020038732"  <br>"20020149263"  <br>"4451743"   "5672997"  <br>"6181027"   "6493859").<br>PN. OR ("6631502").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>10:00 |
| S71 | 10    | ("20040172603"  <br>"20050091629"  <br>"20050270074"  <br>"20060114025"  <br>"20060117282"  <br>"5598348"   "5878053"  <br>"6493859"   "6631502"  <br>"6975978").PN. OR<br>("7266797").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>10:01 |
| S72 | 9     | ("20040060023"  <br>"6480989"   "6581201"  <br>"6584596"   "6615395"  <br>"6631502"   "6711071"  <br>"6820240"   "6937496").<br>PN. OR ("7131074").URPN.                                     | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>10:16 |
| S73 | 13    | ("6099580"   "6324678"  <br>"6584596").PN. OR<br>("6820240").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>10:27 |
| S74 | 75827 | (losses with state) or (save<br>with state) or (state with<br>lost)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>10:34 |
| S75 | 62    | S74 and (voltage near3<br>island)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>10:34 |
| S76 | 2     | "4799027".PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>10:46 |
| S77 | 2     | "6820240".PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>10:50 |
| S78 | 13    | ("6099580"   "6324678"  <br>"6584596").PN. OR<br>("6820240").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>10:52 |

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| S79 | 1722 | S74 and (quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>11:24 |
| S80 | 12   | S74 and (quiescent near4<br>test\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>11:25 |
| S81 | 8    | S74 and (idd near4 test\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>11:29 |
| S82 | 7    | S81 not S80  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>11:29 |
| S83 | 3246 | ((losses with state) or<br>(save with state) or (state<br>with lost)) and ((hot near3<br>switch\$3) or hot\$switch\$3<br>or switch\$over or (switch<br>\$3 near3 over))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>11:31 |
| S84 | 325  | ((losses with state) or<br>(save with state) or (state<br>with lost)) same ((hot<br>near3 switch\$3) or hot<br>\$switch\$3 or switch\$over<br>or (switch\$3 near3 over)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:10 |
| S85 | 37   | S84 and bus and voltage  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:11 |
| S86 | 4    | S84 and "324"/\$.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:16 |

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| S87 | 1    | S84 and (idd or quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:17 |
| S88 | 3246 | ((losses with state) or<br>(save with state) or (state<br>with lost)) and ((hot near3<br>switch\$3) or hot\$switch\$3<br>or switch\$over or (switch<br>\$3 near3 over)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:17 |
| S89 | 1    | S87 and (idd or quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:18 |
| S90 | 4    | S88 and (idd or quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:18 |
| S91 | 369  | ((losses with state) or<br>(save with state) or (state<br>with lost)) same (idd or<br>quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:28 |
| S92 | 220  | ((losses near8 state) or<br>(save near8 state) or<br>(state near8 lost)) same<br>(idd or quiescent)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:29 |
| S93 | 686  | ((losses near8 state) or<br>(save near8 state) or<br>(state near8 lost)) and (idd<br>or quiescent) and switch\$3  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:35 |
| S94 | 35   | ((losses near8 state) or<br>(save near8 state) or<br>(state near8 lost)) and (idd<br>or quiescent) and switch\$3<br>and island  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:35 |

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| S95  | 9    | ((losses near8 state) or (save near8 state) or (state near8 lost)) and (idd or quiescent) and switch\$3 and "324"/\$.ccls.                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:45 |
| S96  | 31   | (quick\$4 near4 switch\$4 near4 voltage) and (idd or quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>13:49 |
| S97  | 33   | ("3573563"   "3652080"   "3697772"   "4001683"   "4862070"   "5057774"   "5272584"   "5294883"   "5355036"   "5467024"   "5754041").PN. OR ("5917331").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>13:58 |
| S98  | 1570 | (similar near5 voltages) and (idd or quiescent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:03 |
| S99  | 252  | (similar near5 voltages) same (idd or quiescent)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:03 |
| S100 | 11   | S99 and "324"/\$.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:03 |
| S101 | 9    | vddn same vdds same different  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:05 |
| S102 | 280  | (voltage near8 different) and (voltage near3 island)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:06 |

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| S103 | 7    | S102 and (idd or quiescent)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:06 |
| S104 | 3493 | ((quiescent near4 voltage) near6 voltage)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:12 |
| S105 | 32   | S104 and 324/765-769. ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:12 |
| S106 | 8    | ("5057774"   "5371457"   "5394026"   "5459737"   "5485095"   "5497073"). PN. OR ("5751141").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>15:01 |
| S107 | 50   | ("4631724"   "4637020"   "4710704").PN. OR ("5057774").URPN.                                      | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/20<br>15:03 |
| S108 | 7    | (idd near5 (defect\$3 or fault\$3 or fail\$4)) near8 resistance                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:09 |
| S109 | 5    | (quiescent near5 (defect\$3 or fault\$3 or fail\$4)) near8 resistance                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:10 |
| S110 | 892  | (quiescent or idd) near8 resistance   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:12 |
| S111 | 5    | (quiescent or idd) near8 (resistance near8 bus)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:12 |

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| S112 | 2    | S110 and (voltage near3 island)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:13 |
| S113 | 5332 | (locat\$3 or measur\$6 or detect\$4 or determin\$4 or sens\$4) near5 (idd or quiescent)                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:15 |
| S114 | 476  | ((locat\$3 or measur\$6 or detect\$4 or determin\$4 or sens\$4) near5 (idd or quiescent)) same resistance  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:15 |
| S115 | 113  | ((locat\$3 or measur\$6 or detect\$4 or determin\$4 or sens\$4) near5 (idd or quiescent)) near8 resistance | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:16 |
| S116 | 2    | S115 and 324/765-769. ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:16 |
| S117 | 13   | S115 and "324"/\$.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:18 |
| S118 | 111  | S115 not S116  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:20 |
| S119 | 100  | S118 not S117  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>19:20 |

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| S120 | 233  | quiescent near3 bus                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>09:16 |
| S121 | 11   | quiescent adj bus                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>09:16 |
| S122 | 0    | S121 and (global adj bus)                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>09:16 |
| S123 | 3    | S121 and (voltage adj bus)                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>09:17 |
| S124 | 3    | S121 and (voltage near3 bus)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>09:17 |
| S125 | 7085 | voltage adj bus                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>09:19 |
| S126 | 6    | S125 and (measuring near3 quiescent)             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>09:19 |
| S127 | 253  | (similar near5 voltages) same (idd or quiescent) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>10:22 |

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| S128 | 11 | S127 and "324"/\$.ccls. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>10:22 |
| S129 | 2  | "20080129324"           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>10:31 |

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